

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051619\
 Data File : VD062425.D
 Acq On : 16 May 2019 18:49
 Operator : FY/SY
 Sample : K2865-02RE
 Misc : 2.95g/5mL/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21-S2RE

Quant Time: May 17 02:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	423210	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	557498	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	258139	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	31046	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	205032	52.13	ug/l	0.03
Spiked Amount 50.000			Recovery	=	104.26%	
35) Dibromofluoromethane	6.92	113	263846	57.04	ug/l	0.03
Spiked Amount 50.000			Recovery	=	114.08%	
50) Toluene-d8	10.42	98	406394	36.44	ug/l	0.02
Spiked Amount 50.000			Recovery	=	72.88%	
62) 4-Bromofluorobenzene	13.56	95	64742	14.46	ug/l	0.01
Spiked Amount 50.000			Recovery	=	28.92%	

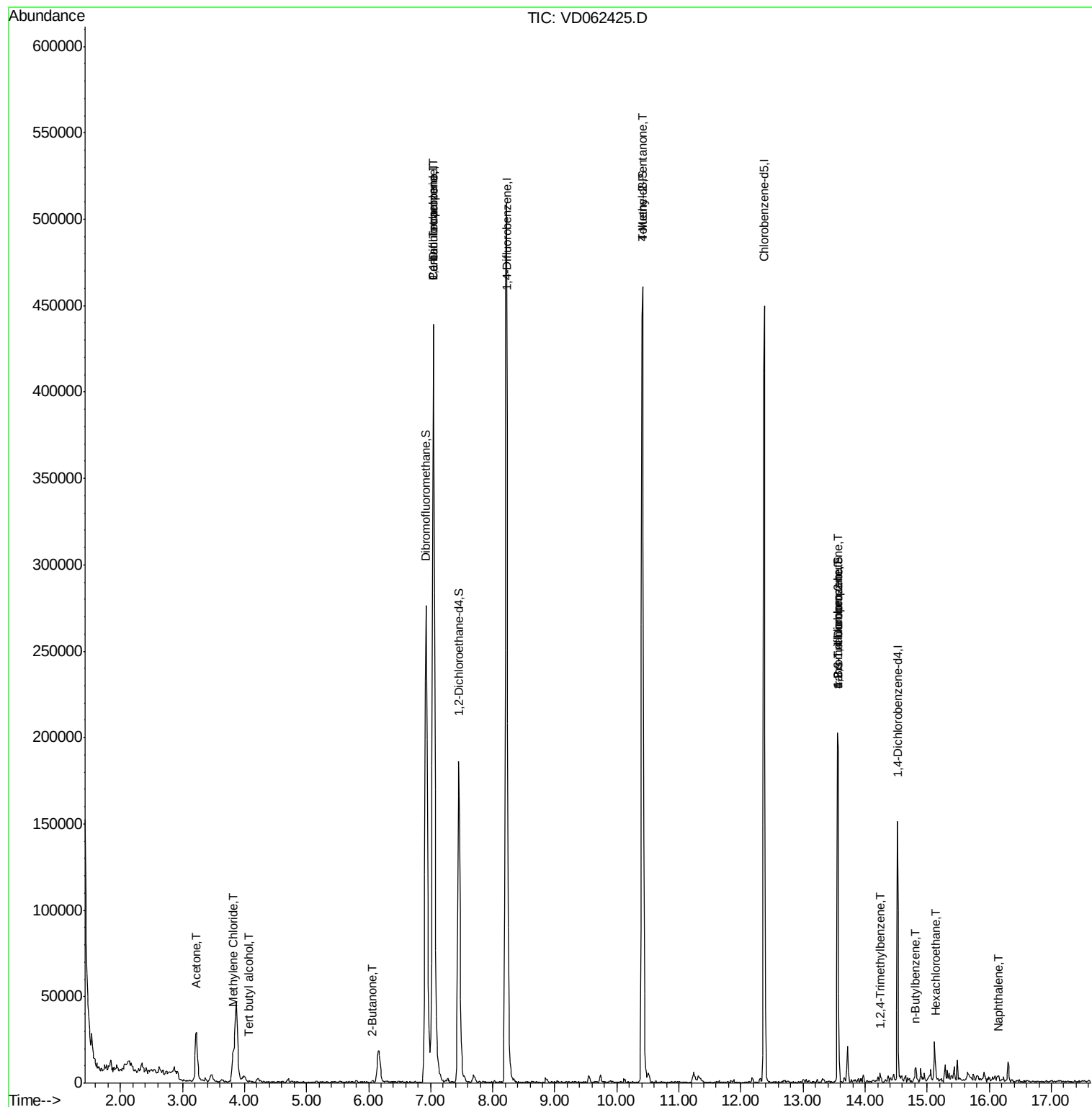
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	250	1.245	ug/l #	76
16) Acetone	3.22	43	57129	69.266	ug/l #	88
20) Methylene Chloride	3.81	84	9674	2.809	ug/l #	87
25) 2-Butanone	6.07	43	1417	1.575	ug/l #	56
36) 1,1-Dichloropropene	7.04	75	31948	6.989	ug/l #	40
38) Carbon Tetrachloride	7.04	117	41655	6.584	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	1886	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	22356	60.592	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	26396	253.421	ug/l #	16
84) 1,2,4-Trimethylbenzene	14.24	105	2778	1.767	ug/l	89
89) n-Butylbenzene	14.81	91	1718	1.109	ug/l #	77
90) Hexachloroethane	15.14	117	658	1.402	ug/l #	20
95) Naphthalene	16.13	128	1945	2.442	ug/l #	70

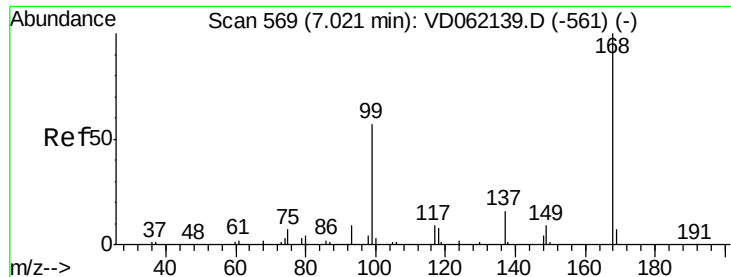
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

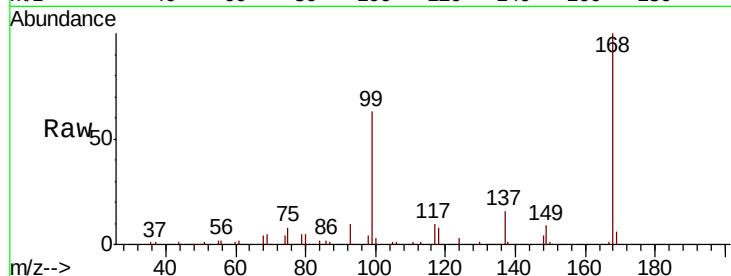
TP-21-S2RE

Tot Ion:168 Resp: 423210

Ion Ratio Lower Upper

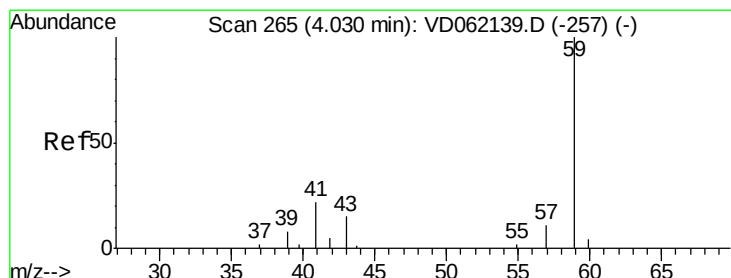
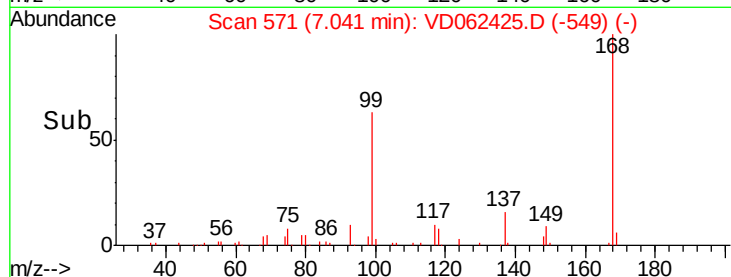
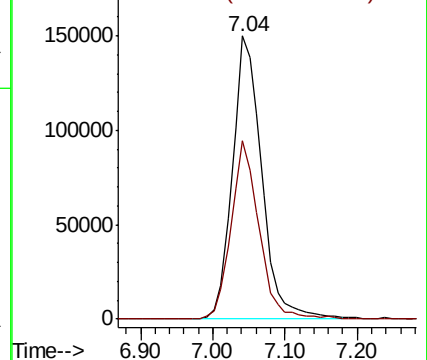
168 100

99 62.9 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.245 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.04 min

Lab File: VD062425.D

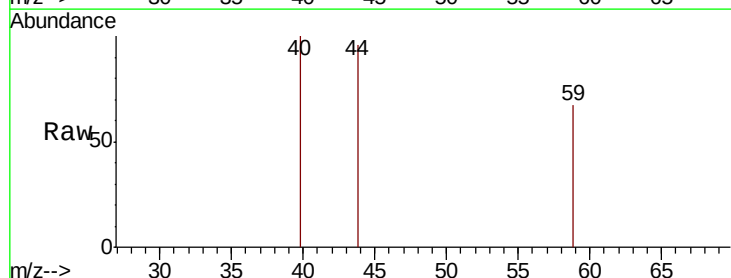
Acq: 16 May 2019 18:49

Tgt Ion: 59 Resp: 250

Ion Ratio Lower Upper

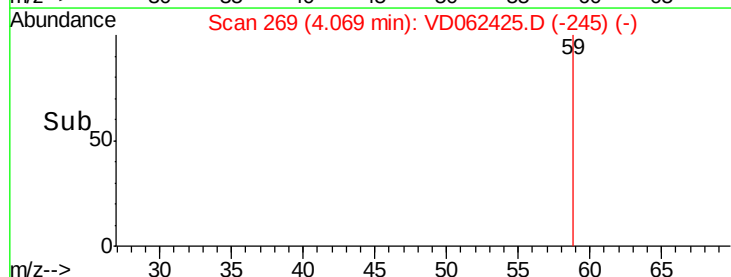
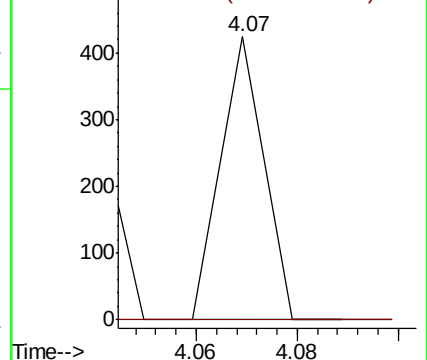
59 100

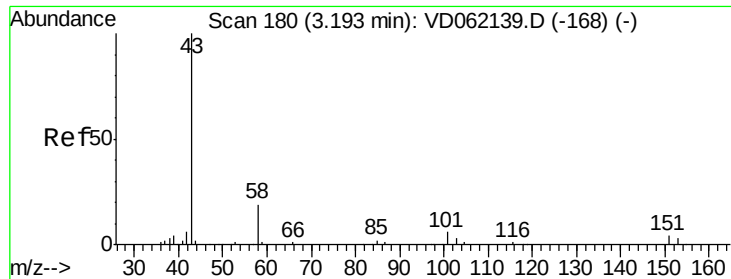
57 0.0 6.9 10.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 69.266 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

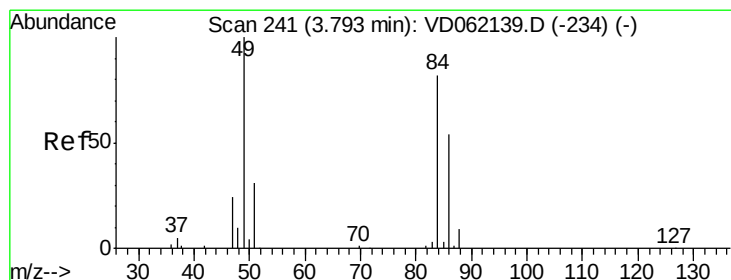
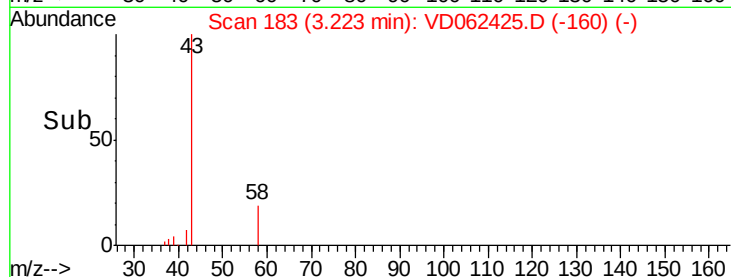
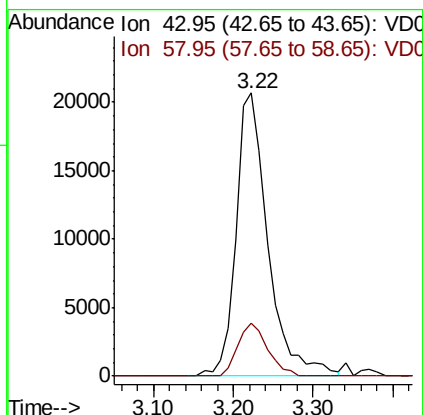
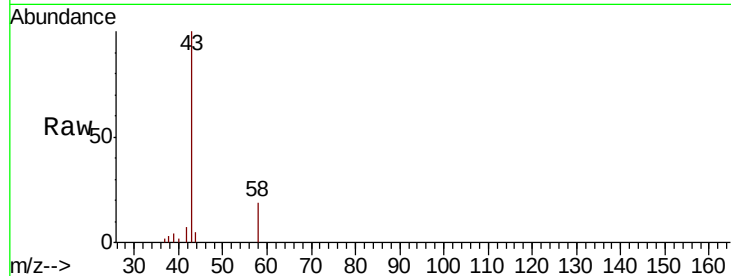
TP-21-S2RE

Tot Ion: 43 Resp: 57129

Ion Ratio Lower Upper

43 100

58 18.8 19.9 29.9#



#20

Methylene Chloride

Concen: 2.809 ug/l

RT: 3.81 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Tgt Ion: 84 Resp: 9674

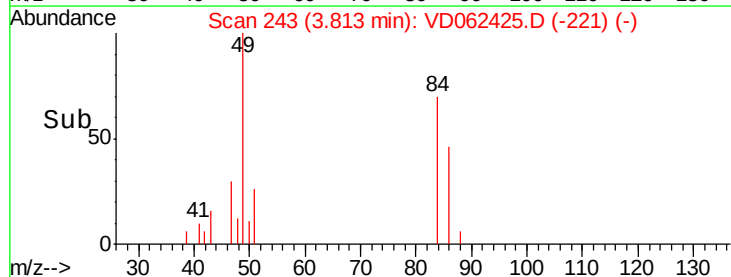
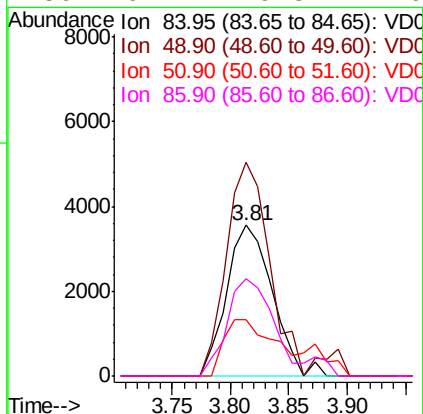
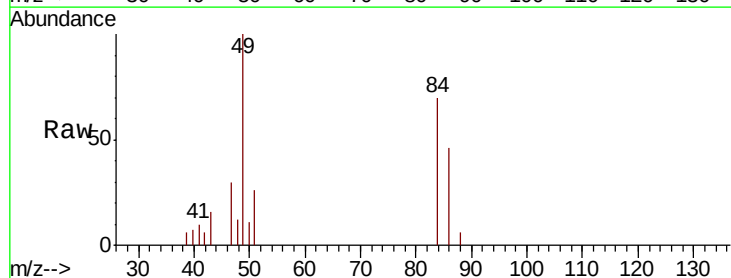
Ion Ratio Lower Upper

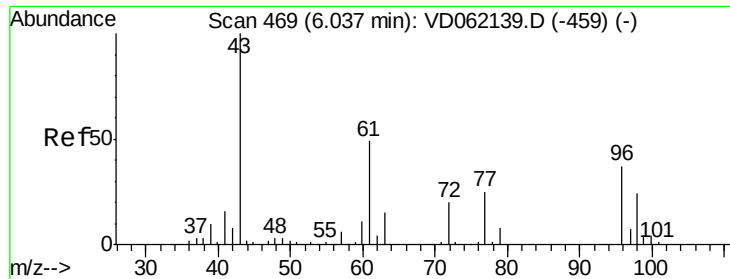
84 100

49 141.9 94.0 141.0#

51 37.1 29.0 43.4

86 64.7 49.8 74.6





#25

2-Butanone

Concen: 1.575 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

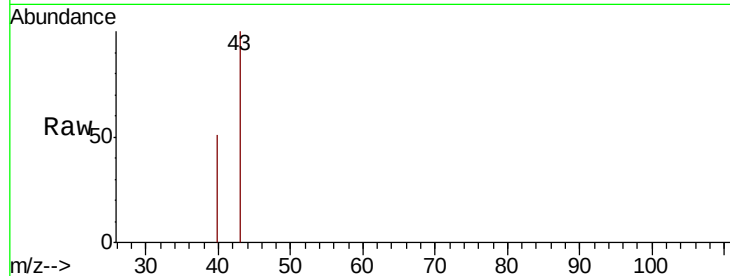
TP-21-S2RE

Tot Ion: 43 Resp: 1417

Ion Ratio Lower Upper

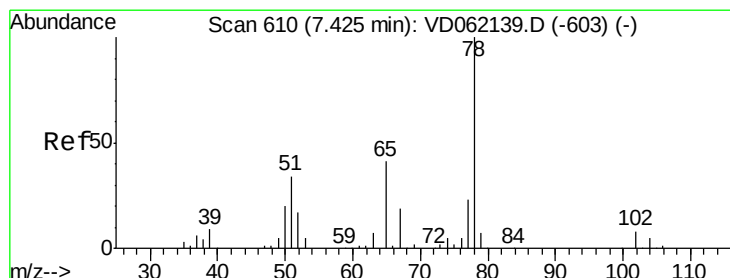
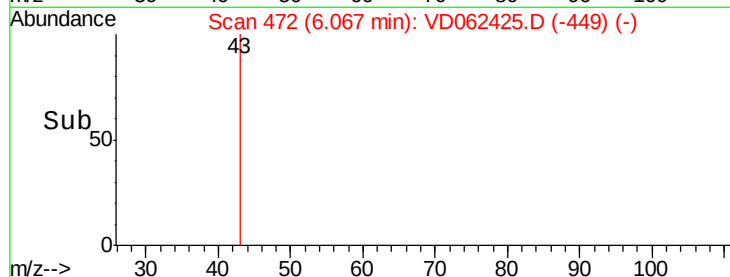
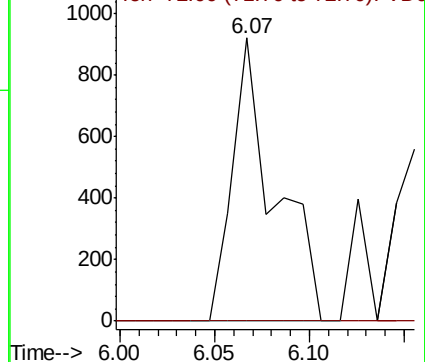
43 100

72 0.0 16.2 24.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 52.132 ug/l

RT: 7.45 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062425.D

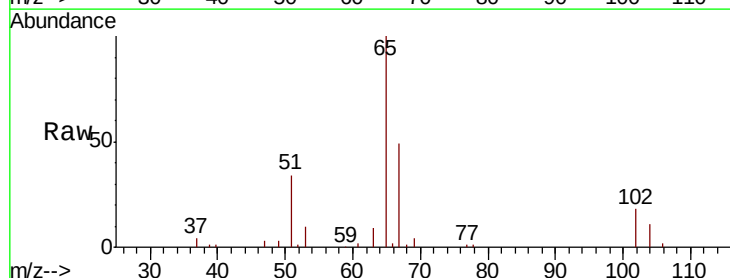
Acq: 16 May 2019 18:49

Tgt Ion: 65 Resp: 205032

Ion Ratio Lower Upper

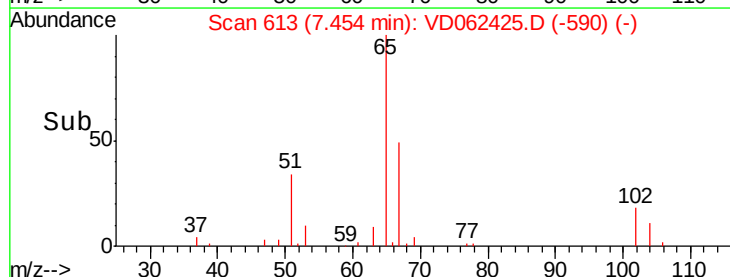
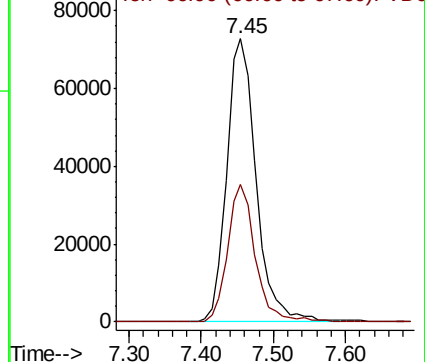
65 100

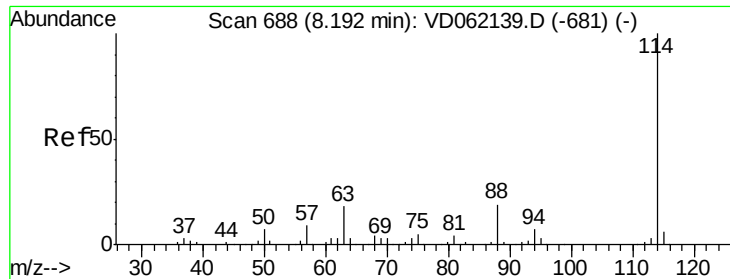
67 48.5 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2RE

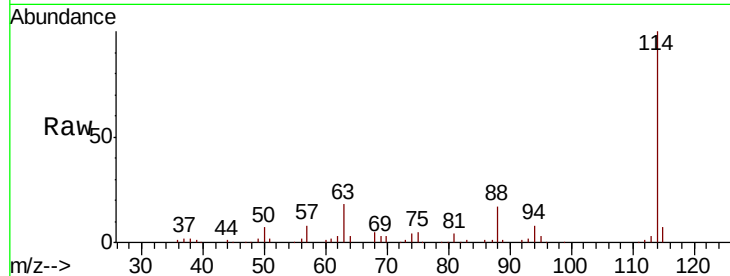
Tot Ion:114 Resp: 557498

Ion Ratio Lower Upper

114 100

63 18.4 0.0 32.4

88 17.2 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V

8.22

250000

200000

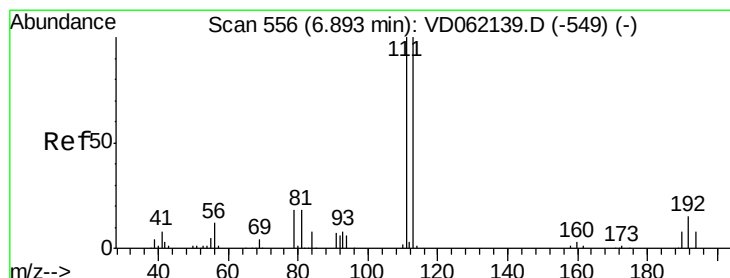
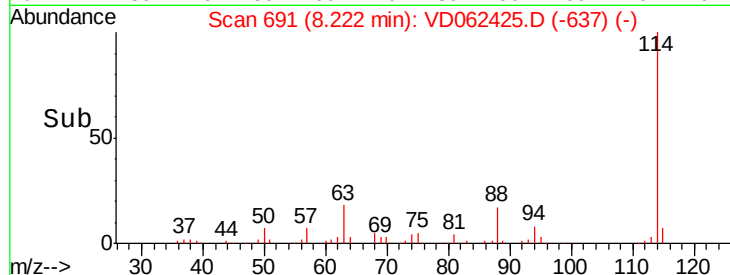
150000

100000

50000

0

Time-->



#35

Dibromofluoromethane

Concen: 57.040 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.03 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

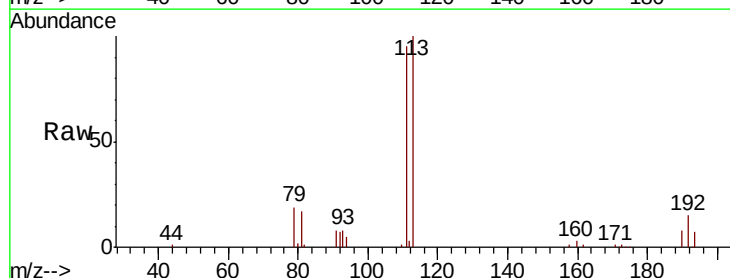
Tgt Ion:113 Resp: 263846

Ion Ratio Lower Upper

113 100

111 95.2 78.5 117.7

192 15.2 13.0 19.4



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.92

120000

100000

80000

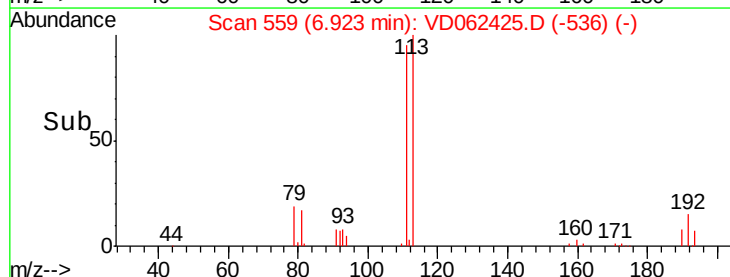
60000

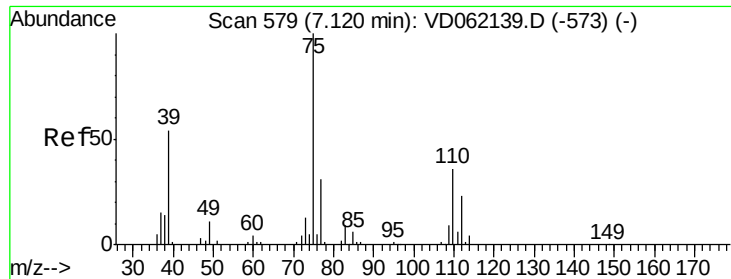
40000

20000

0

Time-->

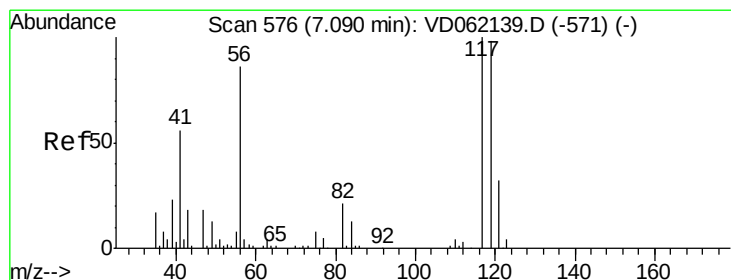
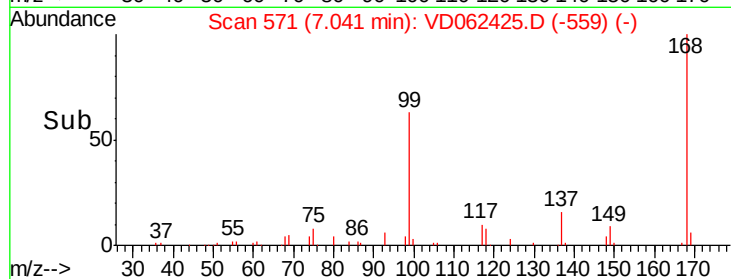
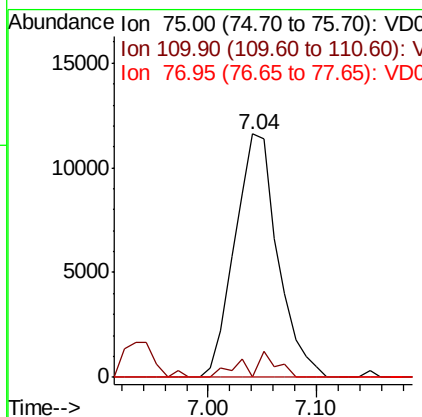
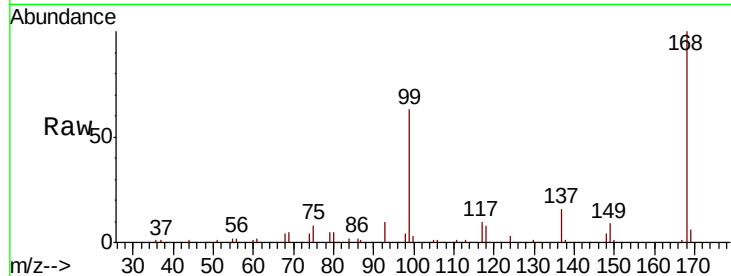




#36
 1,1-Dichloropropene
 Concen: 6.989 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.08 min
 Lab File: VD062425.D
 Acq: 16 May 2019 18:49

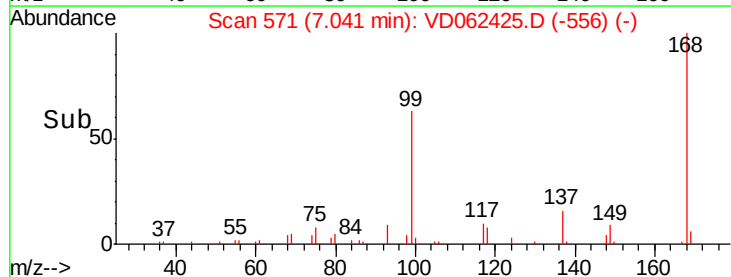
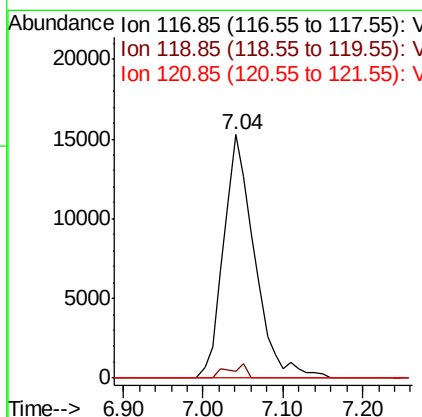
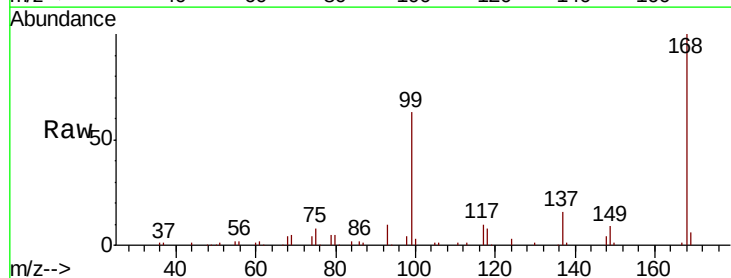
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-21-S2RE

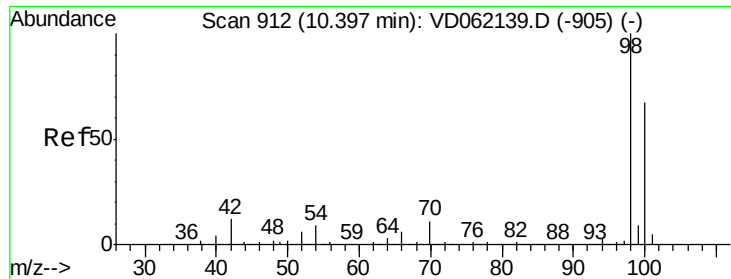
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.1	57.1#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 6.584 ug/l
 RT: 7.04 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD062425.D
 Acq: 16 May 2019 18:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.0	75.8	113.8#
121	0.0	25.9	38.9#

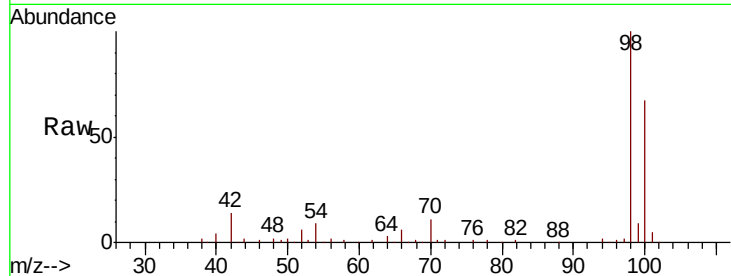




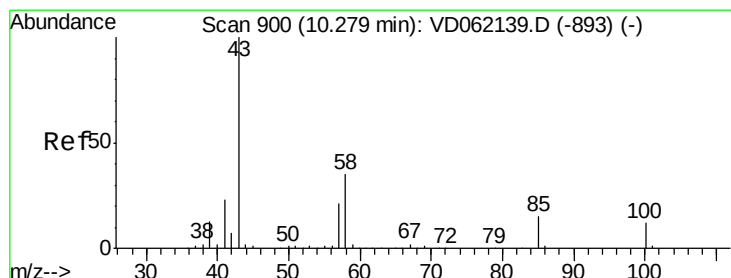
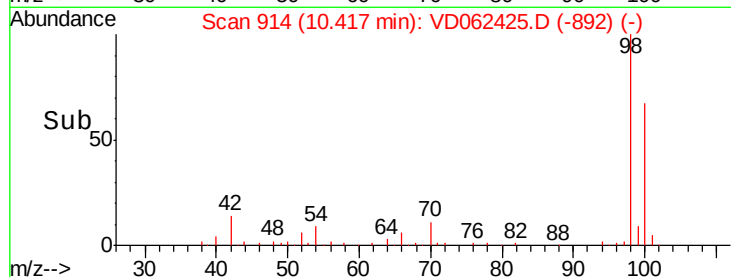
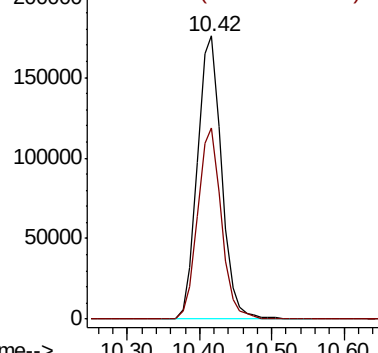
#50
Toluene-d8
Concen: 36.439 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062425.D
Acq: 16 May 2019 18:49

Instrument :
MSVOA_D
ClientSampleId :
TP-21-S2RE

Tot Ion: 98 Resp: 406394
Ion Ratio Lower Upper
98 100
100 67.5 53.8 80.8

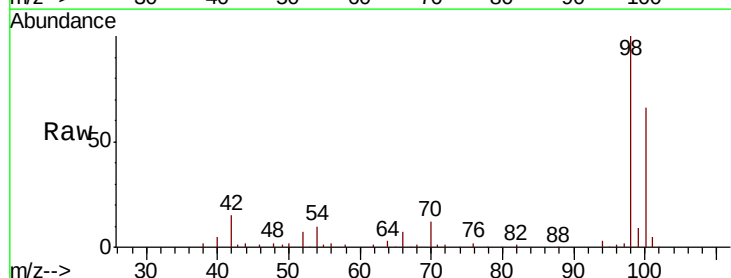


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

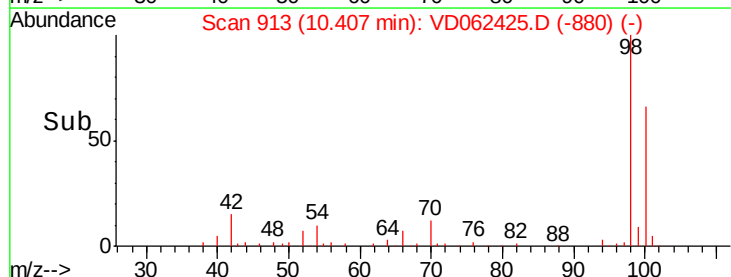
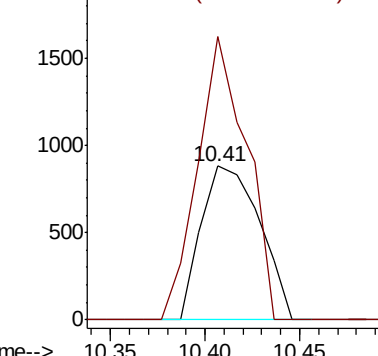


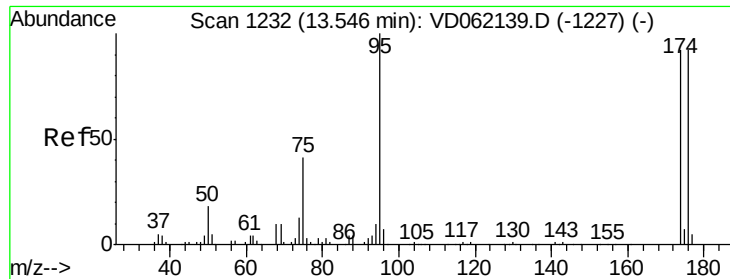
#51
4-Methyl-2-Pentanone
Concen: 1.067 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.13 min
Lab File: VD062425.D
Acq: 16 May 2019 18:49

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 184.4 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

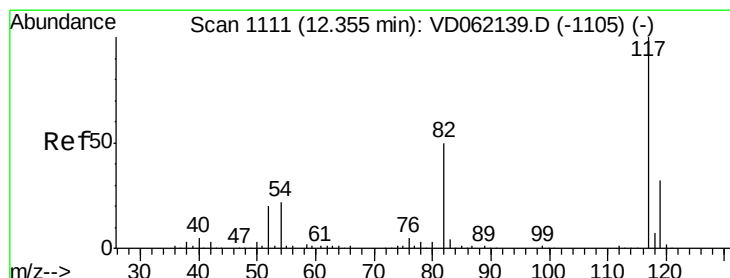
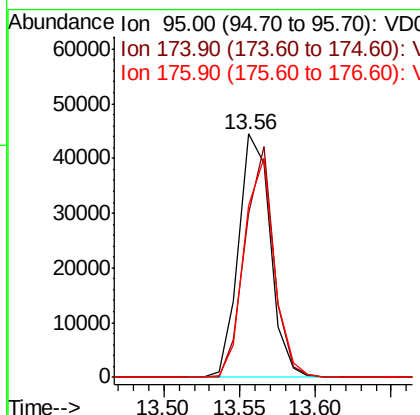
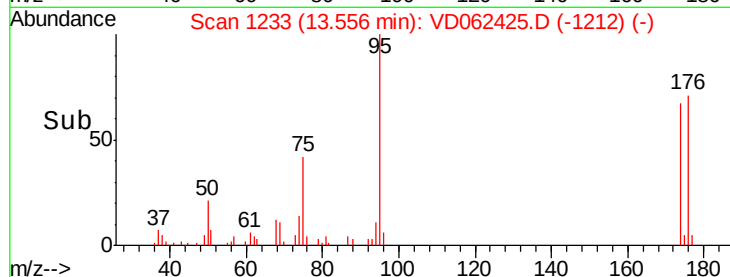
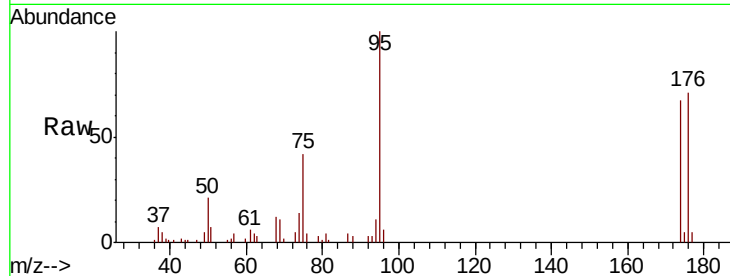




#62
4-Bromofluorobenzene
Concen: 14.456 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD062425.D
Acq: 16 May 2019 18:49

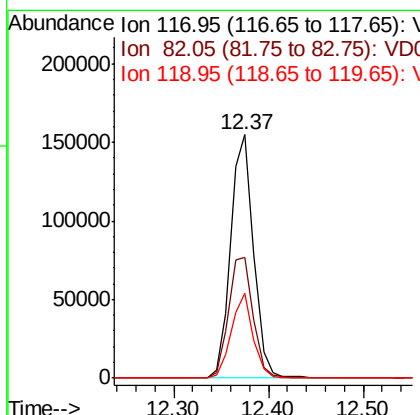
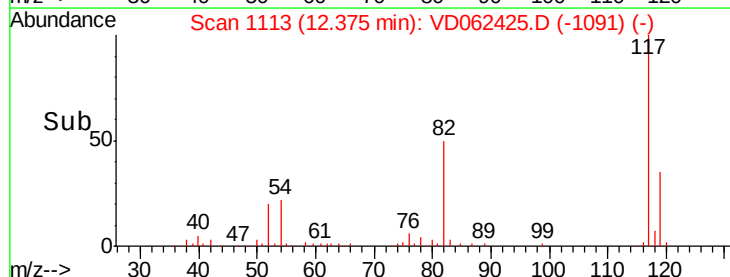
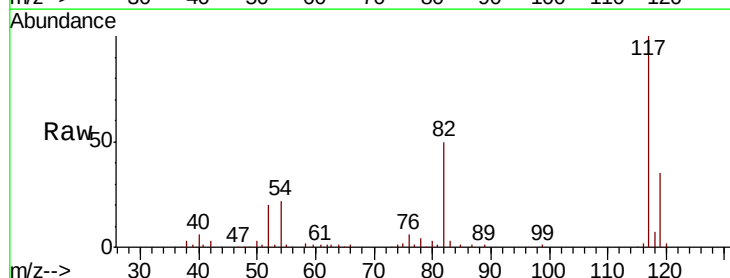
Instrument :
MSVOA_D
ClientSampleId :
TP-21-S2RE

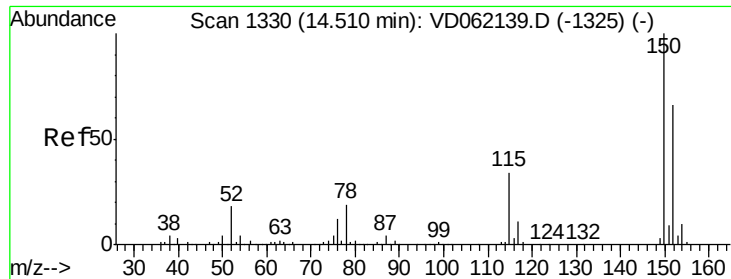
Tot Ion: 95 Resp: 64742
Ion Ratio Lower Upper
95 100
174 67.5 0.0 181.8
176 70.7 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD062425.D
Acq: 16 May 2019 18:49

Tgt Ion: 117 Resp: 258139
Ion Ratio Lower Upper
117 100
82 49.5 36.2 54.2
119 34.9 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2RE

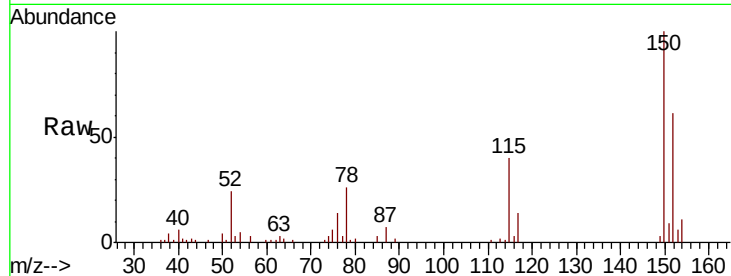
Tot Ion:152 Resp: 31046

Ion Ratio Lower Upper

152 100

115 65.6 30.9 92.7

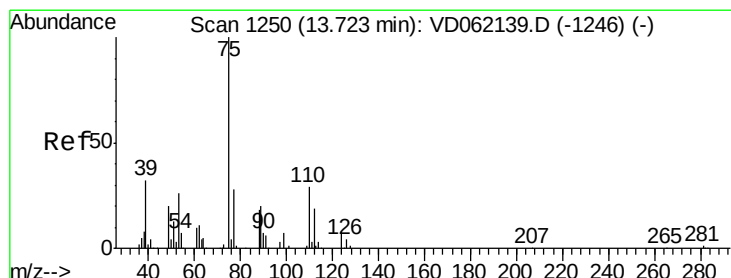
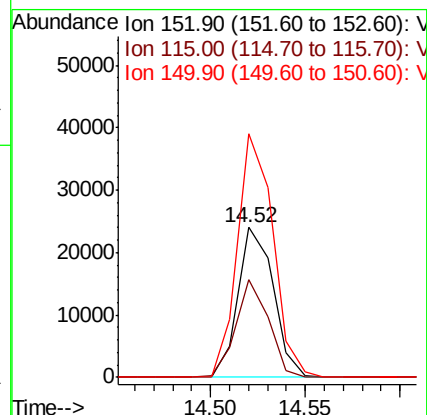
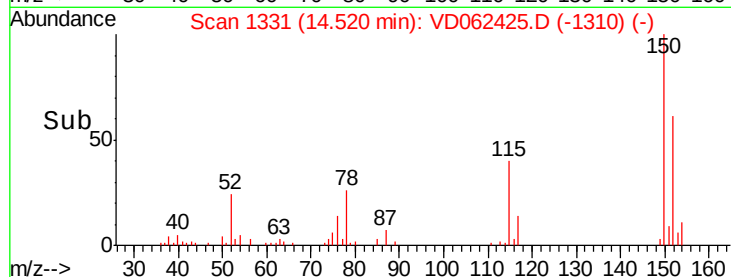
150 162.7 0.0 314.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 60.592 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD062425.D

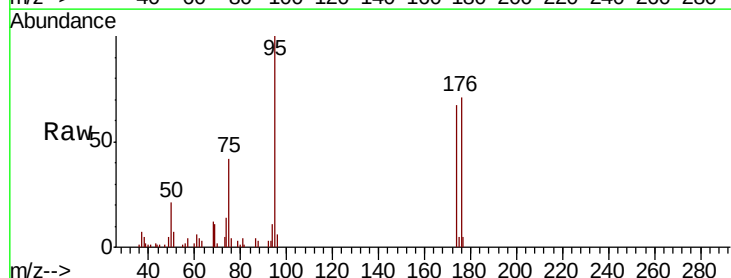
Acq: 16 May 2019 18:49

Tgt Ion: 75 Resp: 22356

Ion Ratio Lower Upper

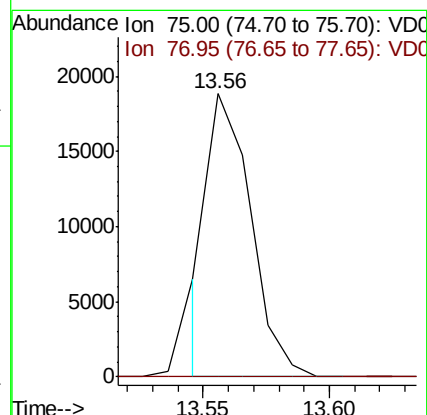
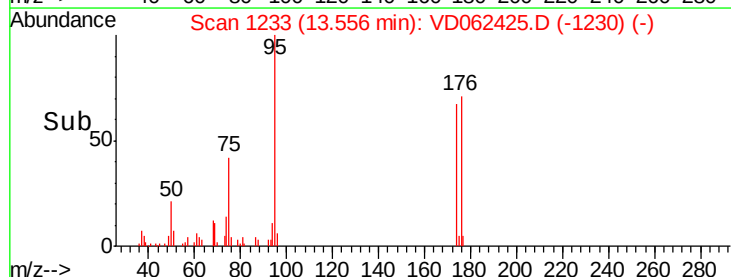
75 100

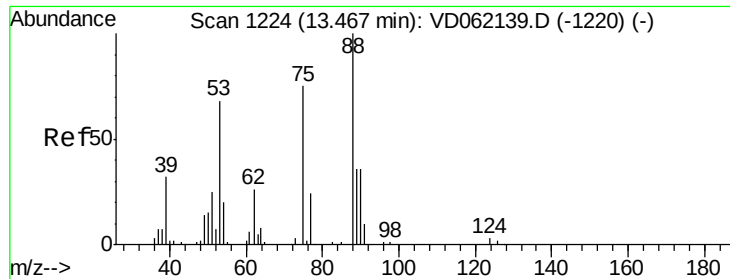
77 0.0 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V

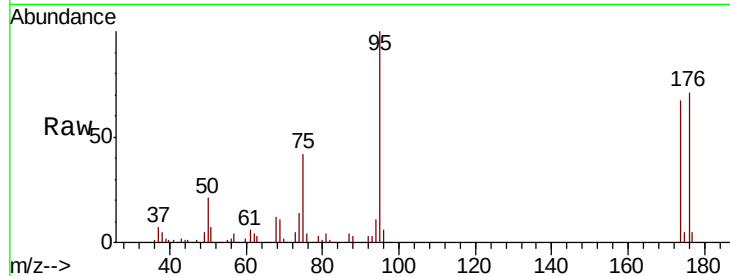




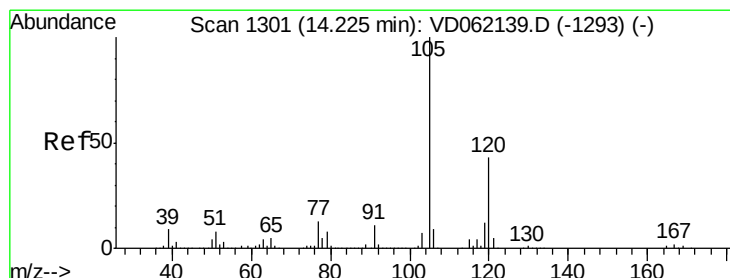
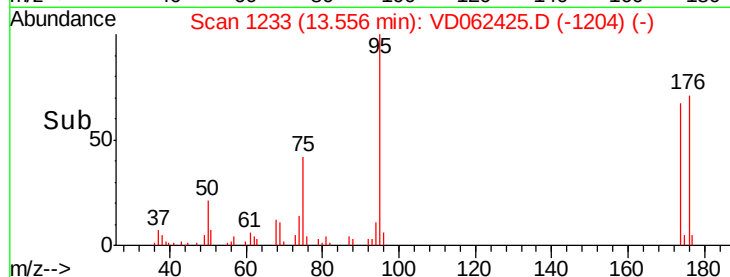
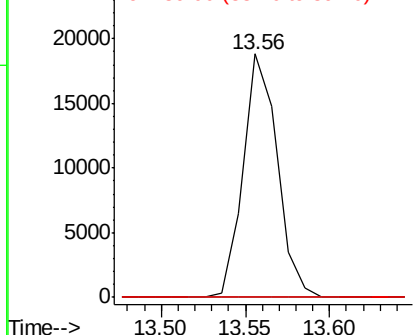
#81
trans-1,4-Dichloro-2-butene
Concen: 253.421 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.09 min
Lab File: VD062425.D
Acq: 16 May 2019 18:49

Instrument :
MSVOA_D
ClientSampleId :
TP-21-S2RE

Tot Ion: 75 Resp: 26396
Ion Ratio Lower Upper
75 100
53 0.0 65.8 98.8#
89 0.0 35.0 52.6#

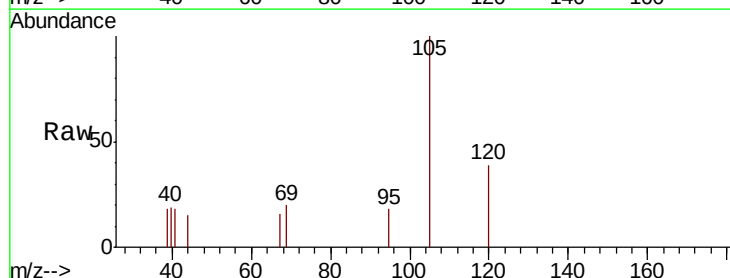


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

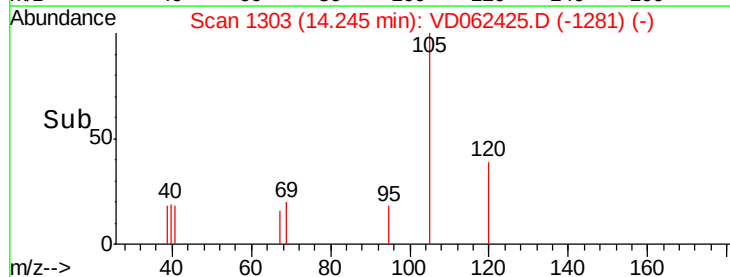
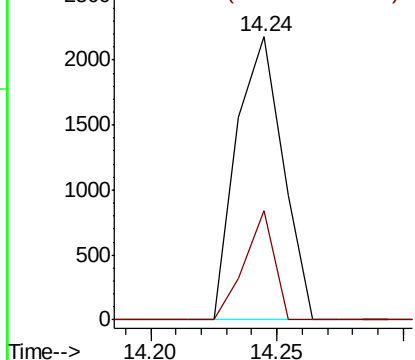


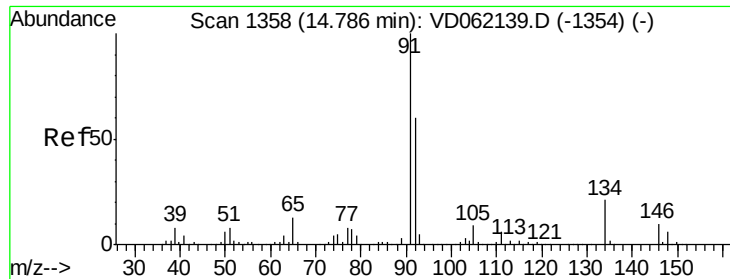
#84
1,2,4-Trimethylbenzene
Concen: 1.767 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062425.D
Acq: 16 May 2019 18:49

Tgt Ion: 105 Resp: 2778
Ion Ratio Lower Upper
105 100
120 38.8 23.1 69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#89

n-Butylbenzene

Concen: 1.109 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2RE

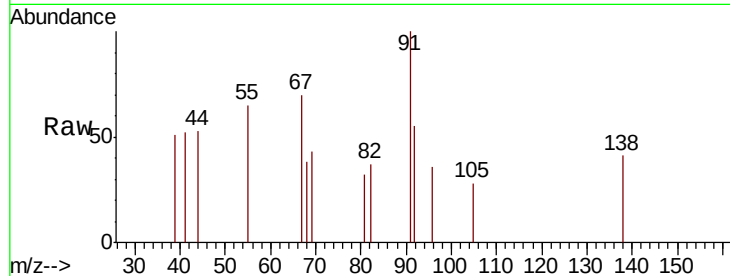
Tot Ion: 91 Resp: 1718

Ion Ratio Lower Upper

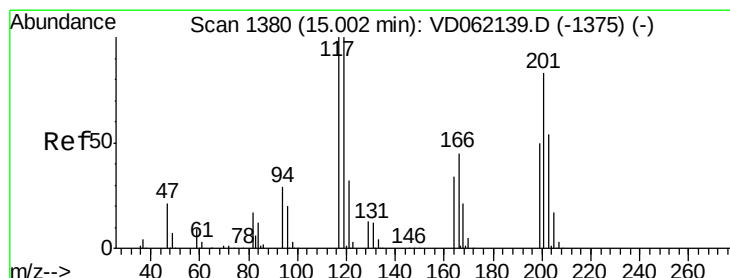
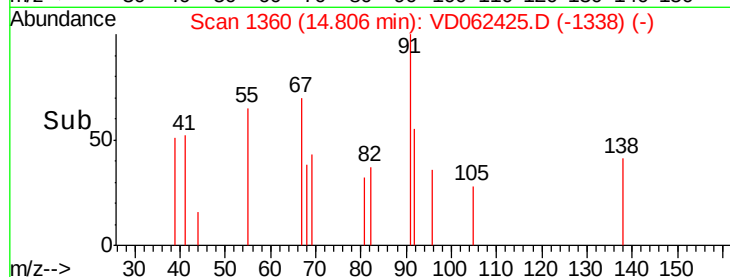
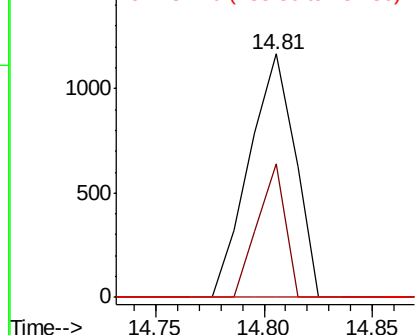
91 100

92 55.0 30.3 91.0

134 0.0 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 1.402 ug/l

RT: 15.14 min Scan# 1394

Delta R.T. 0.14 min

Lab File: VD062425.D

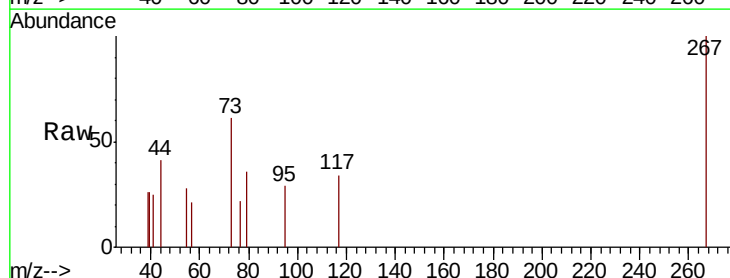
Acq: 16 May 2019 18:49

Tgt Ion: 117 Resp: 658

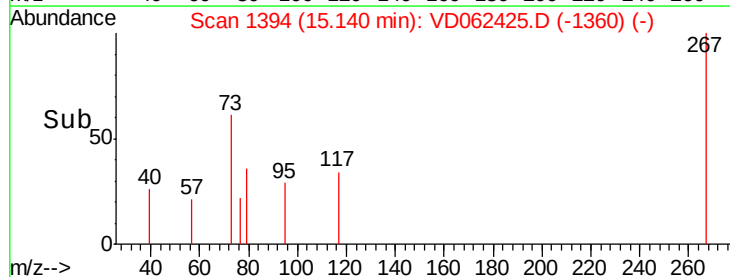
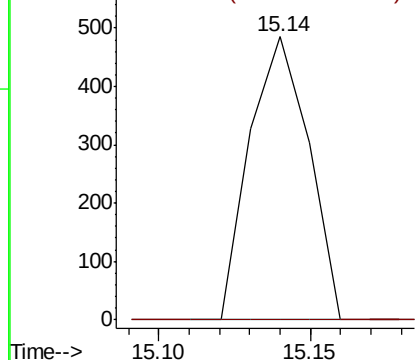
Ion Ratio Lower Upper

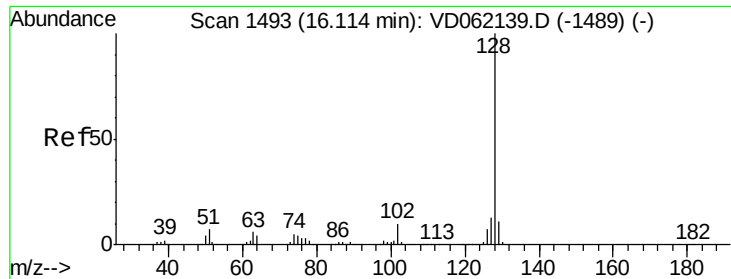
117 100

201 0.0 30.2 90.6#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#95

Napthalene

Concen: 2.442 ug/l

RT: 16.13 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD062425.D

Acq: 16 May 2019 18:49

Instrument :

MSVOA_D

ClientSampleId :

TP-21-S2RE

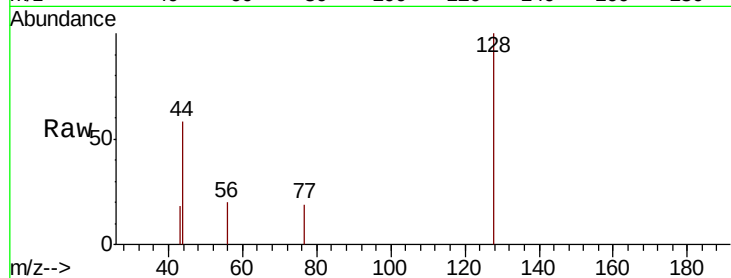
Tot Ion:128 Resp: 1945

Ion Ratio Lower Upper

128 100

127 0.0 9.8 14.8#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

